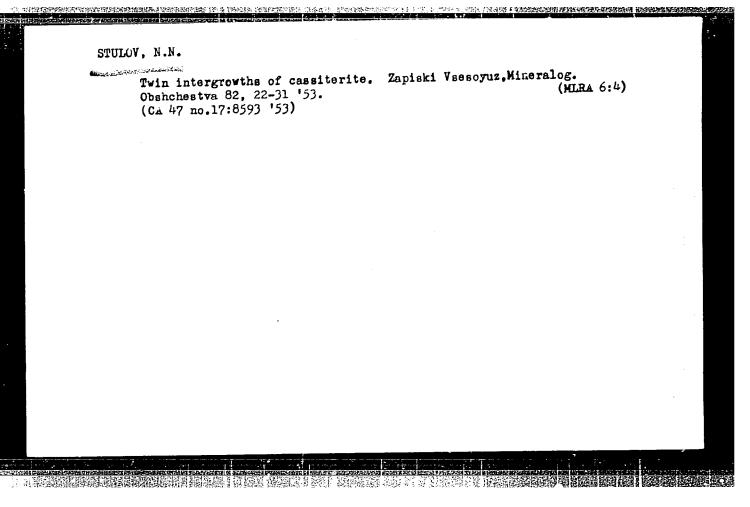
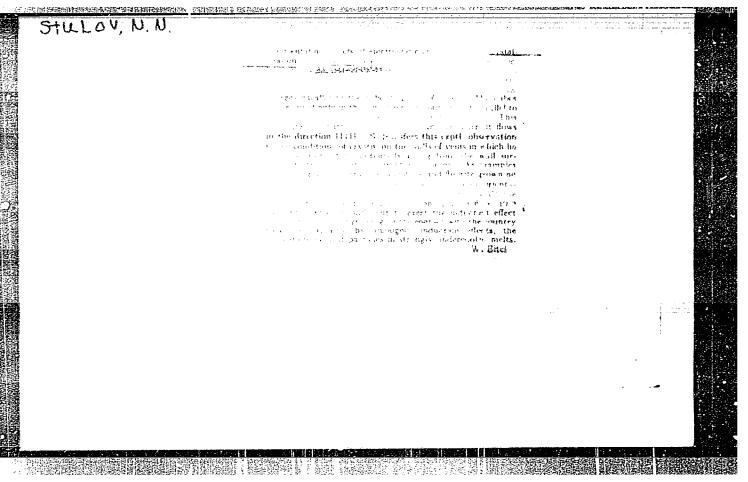
30753. STULOV, N. N. N.

Kristally l'da. Zapiski Vsesoyuz. mineral. o-va, 2-ya seriya, 1949, vyp. 3, s. 172-76.



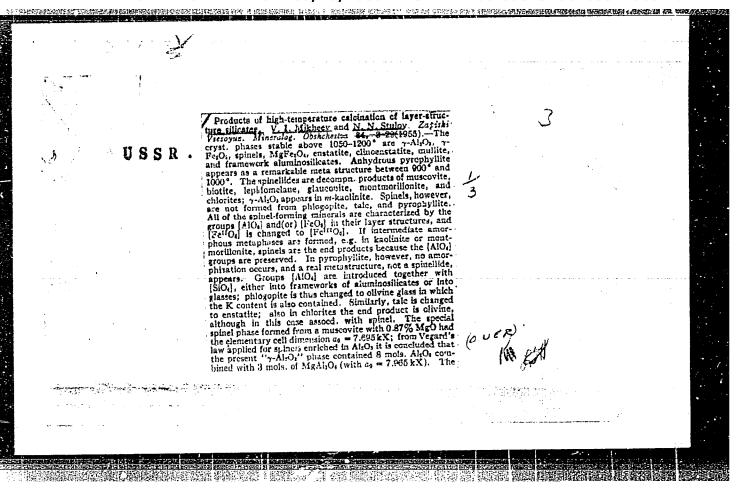


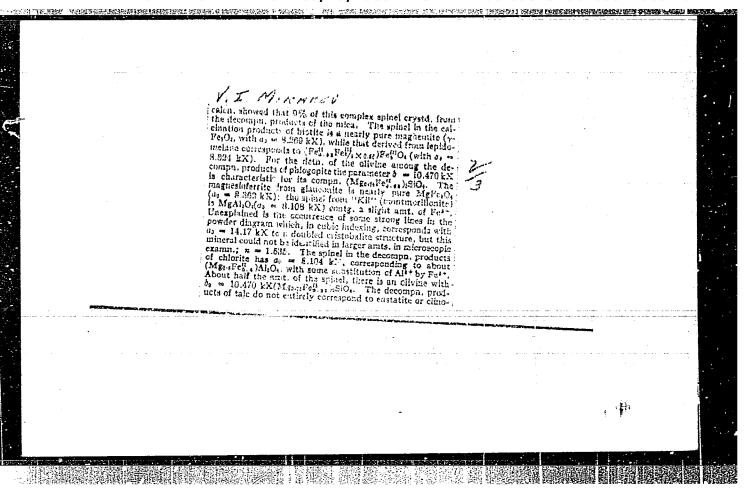
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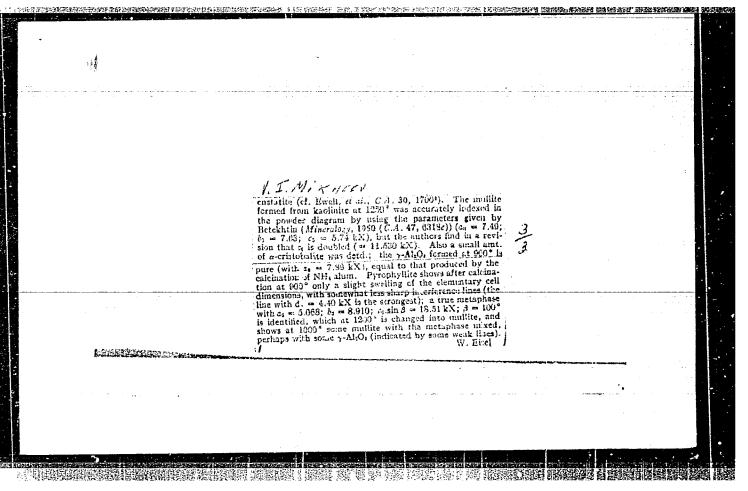
FERSMAN, Aleksandr Yevgen'yevich, 1883-1945; BELYANKIN,D.S., akademik, redaktor [deceased]; SHAFRANOVSKIY,I.I., prof., redaktor; STULOV,H.H. redaktor; SMIRNOVA,A.V., tekhnicheskiy redaktor

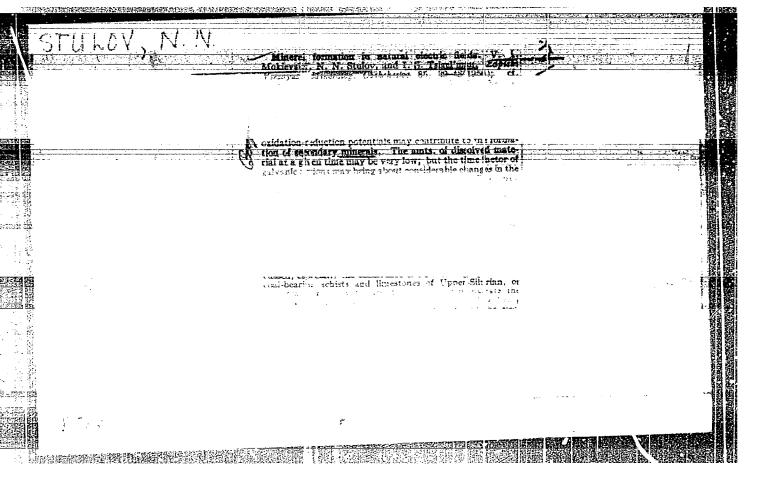
[Crystallography of diamonds] Kristallografiia almaza. Red.i kommentarii D.S.Beliankina i I.Shafranovskogo. [Moskva] Izd-vo Akademii nauk SSSR, 1955. 566 p. (MLRA 9:1)

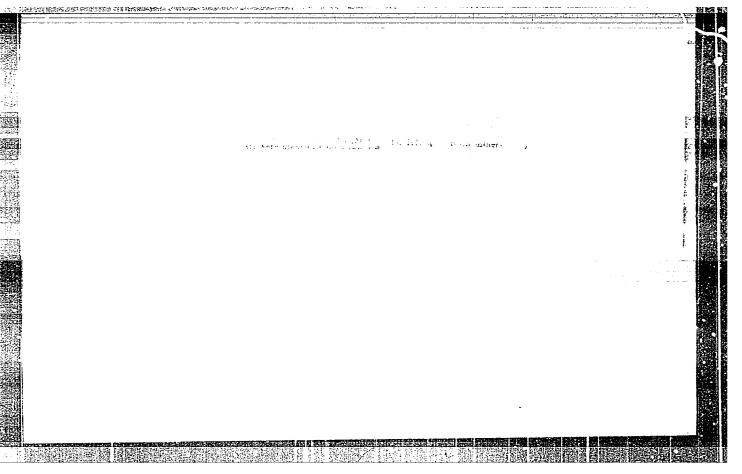
(Diamonds)









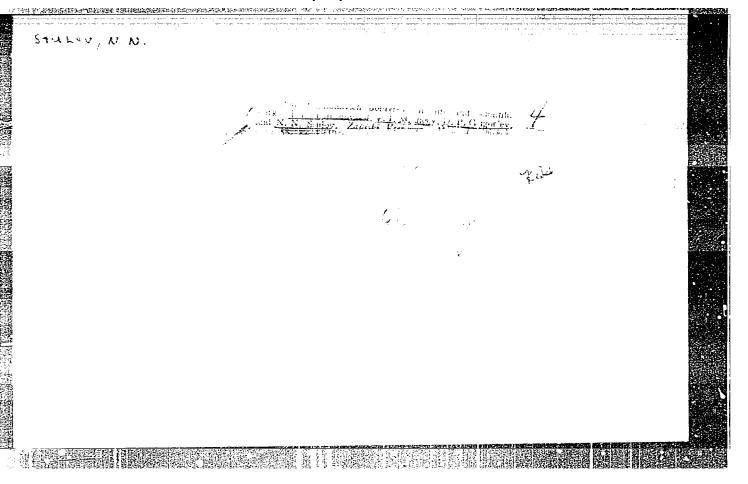


MOKIYEVSKIY, V.A.; STULOV, N.N.; TSIGEL'MAN, I.S.

Hineralization in a natural electrical field. Zap.Vses.min.eb-va
85 no.1:39-48 '56. (MLRA 9:7)

(Mineralogical chemistry)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653710002-6"



STULOV, N.N.; SHAFRAHOVSKIY, I.I.; LAZARENEO, Ye.K.

Viktor Ivanovich Mikheev; obituray. Min.sbor. no.11:403-406
(MIRA 13:2)

(Mikheev, Viktor Ivanovich, 1912-1956)

TATARSKIY, V.B.; FRANK_KAMENETSKIY, V.A.; BURAKOVA, T.N.; NARDOV, V.V.;
PRITHOV, T.G.; KONDRAT'IEVA, V.V.; KAMENTSEV, I.YG.; CHERNYSHEVA,
V.F.; ALEKSETEVA, N.P.; ARTSYBASHEVA, T.F.; BARANOVSKAYA, N.I.;
BUSSEN, I.V.; VERMERTSKO, I.A.; GREVUSHEY, M.A.; GOYKO, Ye.A.;
KOMKOV, A.I.; KOTOVICH, V.A.; LITVINSKAYA, G.P.; MIKHEYEVA, I.V.;
MOKIĮEVSKIY, V.A.; FETROVA, L.V.; POPOV, G.M.; SAFRONOVA, G.P.;
SCHOLHVA, V.V.; STULOV, N.N.; TUGARINOVA, V.G.; SHAFRANOVSKIY, I.I.;
SHTERNBERG, A.A.; YANULOV, K.F.

O.M. Ansheles; obitnary. Vest. IGU 12 no.18:152-154 '57. (MIRA 11:3)
(Ansheles, Osip Markovich, 1385-1957)

70-2-1/24 Shafranovskiy, I.I. and Stulov, N.N. AUTHOR:

Viktor Ivanovich Mikheev - Obituary

"Kristallografiya" (Crystallography), 1957, Vol.2, TITIE: No.2, pp. 203-206 (U.S.S.R.) PERIODICAL:

ABSTRACT: Professor Mikheev died suddenly in December, 1956 at the age of 45. He became interested at a vey early age in crystallography. In March, 1936, he defended successfully his dissertation "Standard Debye rings of cast stone minerals". In the same year, he became "Dozent" of the Chair of Crystallography and lecturer on the course of general crystallography and Xray investigation of crystals. Except for his military service during the war, he was associated throughout his life with the Mining Institute (Gornyy Institut). He published over 75 scientific papers and, in addition, he wrote 56 scientific reports on investigations of individual minerals and their groups carried out for various scientific and industrial establishments. For identifying the composition of mixtures and of minerals, the Debye Scharrer method was considered the most appropriate but, for this purpose, it was necessary to compile appropriate bas, for only purpose, to was necessary to comprise and arrange in their definite order the data calculated from minerals to be used as standards. This enormous task was materialised by publishing the "Roendgenometric" determination

card 1/2

Viktor Ivanovich Mikheev - Obituary. (Cont.) 70-2-1/24

of minerals, the first part of which contains data for 142, the second part for 146, minerals; CTA-RDP8600913R001653710002-6"

APPROVED FORMETALS was put into print shortly before the death of Professor Mikheev. In addition to the colossal work involved in compiling the above mentioned book, Mikheev carried out roendgenometric investigations of individual minerals and their groups, and the results of this work were published in individual papers. It is largely due to his work that roendgenometric diagnosis of minerals is so successfully used in the Soviet Union. From 1950 onwards, Prof. Mikheev published numerous papers on homology problems and later on he published the monograph "Homology of Crystals" which also served as a doctor dissertation (in 1952). His work on homology was highly valued by the Soviet Ac.Sc. and he was awarded in 1950 the E.S. Fedorov prize for this work. Mikheev produced 218 types of homology and these allowed accurate classification and systemisation of crystals with low degrees of symmetry. The work on homology enabled solution of the practically important problem of identifying the Debye rings of low symmetry substances. In 1953, card 2/2 Mikheev was nominated Professor of the Crystallography Chair.

。在他的时候把那些多年的的时候就是他们的时候,我们就是让你可以不知道,那么一个是你的人的一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个

AVAILABLE: Library of Congress

STULOV, N.N.; SHAFRANOVSKIY, I.I.; MOKIYEVSKIY, V.A.; POPOV, G.M.; BETEKHTIN, A.G.; NIKOLAYEV, V.A.; ANSHELES, O.M.; GRIGOR'YEV, D.P.;
YEROFEYEV, B.N.; TATARSKIY, V.B.; SOLOV'YEV, S.P.; NIKITIN, V.D.;
RUDENKO, S.A.; DUBININA, V.N.; ALYAVDIN, V.F.; VLADIMIROV, B.N.;
KAZITSYN, Yu.V.; FRANK-KAMENETSKIY, V.A.; KALININ, A.I.; BALASHOVA, M.N.; SAL'DAU, E.P.; DOLIVO-DOBRGVOL'SKAYA, G.M.; LAVRENT'YEV, M.F.

Viktor Ivanovich Mikheev. Zap. Vses. min. ob-va 86 no.2:317-320 '57. (Mikheev. Viktor Ivanovich, 1912-1956)

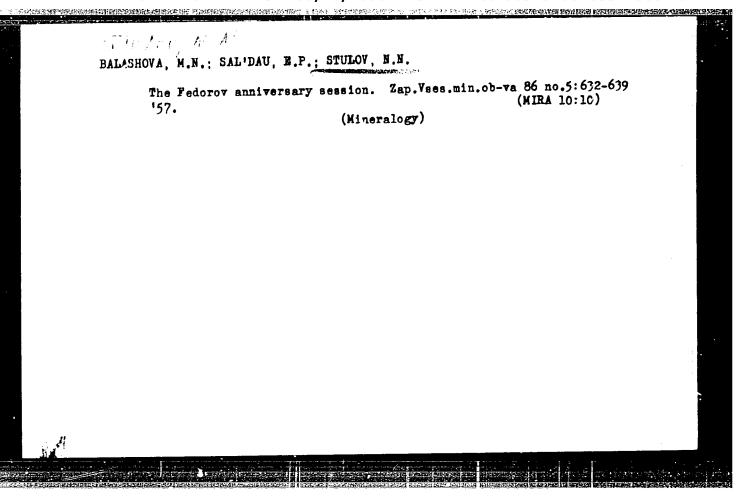
APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653710002-6"

STULOV, N.N.; SHAFRANOVSKIY, I.I.

Achievements in Soviet crystallography. Zap.Vaes.min.ob-va 86 no.5:595-606 '57. (MIRA 10:10)

(Crystallography)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653710002-6"



SOV/70-3-5-23/24

AUTHORS:

Shafranovskiy, I.I., Stulov, N.N., Tatarskiy, V.B.

and Frank-Kamenetskiy, V.A.

TITLE:

Certain Observations in Connection with the Article of Academician N.V. Belov "On a Course of Geometrical Crystallography for Physicists" (Neskol'ko zamechaniy

po povodu stat'i Akad. N.V. Belova "O kurse geometricheskoy

kristallografii dlya fizikov")

PERIODICAL: Kristallografiya, 1958, Vol 3, Nr 5, pp 637-638 (USSR)

ABSTRACT:

Complaints by Leningrad mineralogists against the excessive physical bias by Belov in his article. There are 4 references, 2 of which are Soviet and

2 German.

ASSOCIATION:

Leningradskiy gornyy institut. Leningradskiy

gosudarstvennyy universitet.

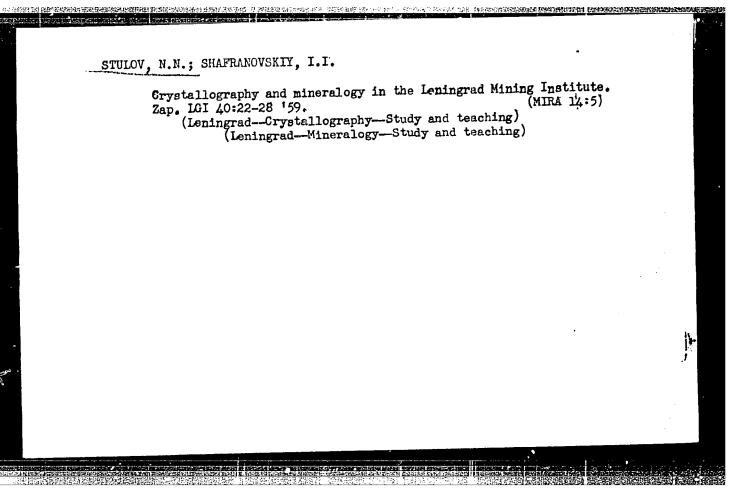
(Leningrad Mining Institute and Leningrad State

University)

SUBMITTED: May 23, 1958

Card 1/1

CIA-RDP86-00513R001653710002-6" APPROVED FOR RELEASE: 08/26/2000



SHAFRANOVSKIY, I.I.; MOKIYEVSKIY, V.A.; STULOV, N.N.

Discussion on the nomenclature of crystallographic forms at the French Mineralogical Society. Zap. Vses.min.ob-va 88 no.4:492-495 159.

(MIRA 12:11)

1. Deystvitel'nyye chleny Vsesoyuznogo mineralogicheskogo obshchestva. (Crystallography--Terminology)

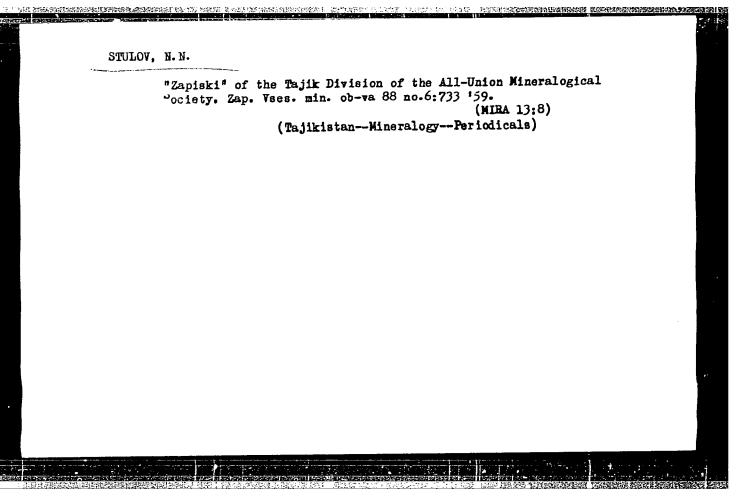
THE STATE OF THE S

New materials on the active life of E.S. Fedorov; on the 40th anniversary of his death. Zap. Vses. min. ob-va 88 no.5:578-582

159.

(Fedorov, Evgraf Stepanovich, 1853-1919)

(Crystallography)



AND THE TREE PROPERTY OF THE P

SHAFRANOVSKIY, I.I., prof. Prinimeli uchastiye: MOKIYEVSKIY, V.A.; STULOV, N.N.; GENDELEV, S.Sh.; PIS'MENNYY, V.A.; HALASHOVA, M.N.; MIKHEYEVA, I.V.; SAL'DAU, E.P.; KALININ, A.I.; DOLIVO-DOBROVOL'SKAYA, G.M. PIOTROVSKIY, G.L., dotsent, otv.red.; FURMAN, K.P., red.; MALYAVKO, A.V., tekhred.

[Lectures on the morphology of mineral crystals] Lektsii po kristallomorfologii mineralov. L'vov. Izd-vo L'vovskogo univ., 1960. 161 p. (MIRA 14:1)

1. Kafedra kristallografii Leningradskogo gornogo instituta (for Mokiyevskiy, Stulov, Gendelev, Pis'mennyy, Balashova, Mikheyeva, Sal'dau, Kalinin, Dolivo-Dobrovol'skaya).

(Minerals) (Crystals)

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S/534/60/000/019/002/005 D226/D302

3,1550(1057,1062,1129)

AUTHOR: Stulov, N.N.

TITLE: The roentgenometric study of the material composition

of certain meteorites

PERIODICAL: Akademiya nauk SSSR. Komitet po meteoritam.

Meteoritika, no. 19, 1960, 63-84

TEXT: This study was carried out in collaboration with Professor V.I. Mikheyev, and had two objectives in its first stage: a) to determine the mineral composition of certain meteorites from the collection at the Gornyy Muzey (Mountain Museum) and b) to investigate specially selected mineral parts of meteorites, forwarded to the laboratory by L.G. Kvasha from the Committee for Meteorites of the AS USSR. By undertaking these tasks the author aimed at improving the method of identification of minerals and at developing standard roentgenograms for them. In the last stage of

Card 1/12

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The roentgenometric study of ...

this study the aim was to work out a series of tables recording X-ray crystallographic data for all minerals present in meteorites. Unfortunately the death of V.I. Mikheyev prevented realization of this project. The present article is an account of those roent-genometric studies which were actually conducted with the deceased. Method of investigation: Samples of iron meteorites from the Gornyy Muzey were taken by means of filing or drilling with a hard bore; samples given by L.G. Kvasha were already pulverized. Sometimes they were ground additionally to give particles, ranging from 0.01 - 0.001 mm. A column of the material was then pressed in a glass tube (diameter: 0.8 mm). Two X-ray photographs were taken of each sample, one of the pure material the second of its mixture with rock-salt. Distances between symmetric lines were measured with a 0.5 mm ruler (an average of 3 measurements were taken for every pair of lines). The intensity of lines was evaluated visually and photographs were taken with a camera 143 mm in diameter in a Haddings ionic tube with an iron anticathode.

Card 2/12

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The roentgenometric study of ...

The following wave-lengths were used for calculations:

$$\lambda_{K_{\alpha_1}} = 1,936012kX; \quad \lambda_{K_{\alpha_2}} = 1,932076kX;$$

$$\lambda_{K_{\mathcal{B}}} = 1,753013 \text{ kX},$$

where kX = Kilo XU. Some modifications of X-ray photography were used: a) The films were placed in such positions that their ends did not point toward the incoming diaphragm, but in the reverse direction; in this way, lines formed by broad reflection angles were situated in the center of the film; b) Reflection angles were measured with a precision of up to 0.1'; c) the calculation of lattice distances were according to the Bragg-Wulf formula; d) Considerable quantities of rock-salt were added to the samples (up to 60 %) to obtain more definite standard lines for the salt; these lines were used for correcting the obtained data. The time of exposure for iron-meteorite samples was 8 ma. x 4.5 hours.

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The roentgenometric study of ...

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X-ray photographs of other samples were made with a camera of 68 mm in diameter with an iron anticathode, the radiation wave lengths being as follows: $\lambda_{K_{cl}} = 1,934$ kX; $\lambda_{K_{cl}} = 1,753$ kX;

time of exposition 8 ma. x 2 hours, or 3.5 hours. I. Iron meteorites: The following minerals were found and submitted to X-ray study. Camasite and Tenite from Sikhote-Alinskiy, Coahuila, Hex River Mountains, Chestervill, Sao Juliao de Moreira, Carlton, Tazewell and Bodaybo meteorites. Hydrohetite and Hydrohematite from the melted surface layer of Tazewell meteorite. Chromite, Troilite, Schreibersite and Radbite from the Sikhote-Alinskiy meteorite. For the study of Camasite and Tenite, information given in the article of A. Bradley, A. Jay, A. Taylor (Ref. 13: "On the Lattice Spacing of Iron-Nickel Alloys", Philosophical Magazine and Journal of Science, 23, no. 155, 547-557, 1937) was used. V.I. Mikheyev (Ref. 9: Rentgenometricheskiy opredelitel'mineralov/Roentgenometric Determinant of Minerals/ Zap. Vsesoyuzn. Mineralog. obshchestva, part. 86, no. 2, 1957) investigating some iso-

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The roentgenometric study of ...

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morphic series observed that the increase in dimensions of the unit cell is a linear function of the radius of present cations. He proposed the following equation for the dependence of the camasite lattice dimension on its content in nickel: $a = 2.86124 + 0.00041 \infty$, where x equals the atomic percentage of Ni. For this equation Mikheyev used data from E.R. Jette and F. Foote (Ref. 14. "X-ray study of iron nickel alloys", Am. Inst. min. metallurg. Engin. Techn. Publ., no. 670, Metal Technology 3, 1, 14, 1936). The contents of Ni in Camasite calculated from Bradley's graph and those suggested by Mikheyev, do not agree, the figures according to Mikheyev being more than 20 % higher. These discrepancies may be explained by the fact that Bradley studied artificial iron nickel alloys, whereas Mikheyev dealt with natural minerals, in which -- apart from Fe and Ni -- some Co and Cu were also present, as was shown by M.U. D'zakonova, who carried out the entire chemical analysis of minerals from the Sikhote-Alinskiy meteorite. (Ref. 2: Khimicheskiy sostav

Card 5/12

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The roentgenometric study of ...

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Sikhote-Alinskogo meteorita /Chemical Composition of the Sikhote-Alinskiy Meteorite/ Meteoritika, 16.1958). Chemical data for all further mentioned minerals were taken by the author from this study. Tenite was not found in the Sikhote-Alinskiy meteorite, but was present in the Chestervill, Sao Juliao, Carlton, Tazewell and Bodaybo meteorites. To identify it, data from Mikheyev's tables were used (Ref. 8: Rentgenomentricheskiy opredelitel' mineralov /Roentgenometric Determinant of Minerals/ Gosgeolizdat 1957). Finally, the author expresses the opinion that at present it is impossible to quantitatively determine in any precise manner the components of iron nickel meteorites by unit cell dimensions, although it has been found that: a) when the unit cells of Camasite are small, those of Tenite are large; their dimensions can be much larger than those of artificial alloys; b) with the increase in Tenite content, the lattice spacing of Camasite increases and that of Tenite decreases. However, the author adds that these conclusions are not certain in view of the small num-

Card 6/12

S/534/60/000/019/002/005 D226/D302

The roentgenometric study of ...

ber of specimens studied. Therefore further studies are necessary. A sample from the melted surface layer of the Tazewell meteorite gave 50 lines on the X-ray film. 22 of these correspond to Hydrotite, 13 to Hydrohematite, 6 to Camasite, 5 to Tenite, 10 weak lines were not identified. The lattice spacing of Camasite and Tenite in the sample was the same as in the bulk of the meteorite. All other minerals mentioned belong to the Sikhote-Alinskiy meteorite: 1) Chromite, having the chemical composition (weights given in percentage): FeO-15.91 %; Cr_2O_3 -71.23 %; MgO-11.87 %; (Total 99.01 %). The roentgenogram showed that there was in this sample Chromite with a lattice constant: $a=8.329\pm0.001$ kilo XU and Chromite, with the formula $3\text{Cr}_2\text{O}_3$ * Fe_2O_3 , the formula of the first Chromite being (Mg,Fe)Cr $_2\text{O}_3$ in accordance with Mikheyev's study on spinels, (Ref. 9: op.cit.). A mineral with a formula $3\text{Cr}_2\text{O}_3$ * Fe_2O_3 has never been found before either on

Card 7/12

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The roentgenometric study of ...

earth or in meteorites. Its identification was made on the basis of data in the first supplement to the American roentgenometric card-file These data are based on work of P.F. Wretblad, who studied a synthetic substance having the above composition. (Ref. 15: Z. f. Anorg. Chem., 189, 331, 1930). 2) Troilite, having the following chemical compositions for 3 different samples (weights given in percentage): Fe-60.78 %; Cu-0.04 %; S-36.41 %; Cr-2.08 %, (Total 99.31 %); Fe-62.46 %; Cu-0.05 %; S-34.65 %; Cr-1.06 %, (Total 98.22 %); Fe-62.84 %; Cu-0.07 %; S-34.33 %; Cr-1.08 %, (Total 98.32 %). X-ray study proved the presence of 2 compounds. one a pure Troilite, the other a mixture of Troilite plus some Chromite, with lattice distances: a = 8.344 ± 0.004 kilo XU, which corresponds to the formula FeCr₂O₄. The lattice constants of pure Troilite were: a = 5.965 kilo XU and c = 11.538 kilo XU.
3) Schreibersite was found in another sample of the same meteorite. Its composition is (weights given in percentage): Fe-69.73 %; Ni-14.64 %; Co-0.18 %; P-15.64 %, (Total

Card 8/12

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100.19 %). Cristallographic data for its identification were taken from a work of A.G. Betekhtin (Ref. 1: Mineralogiya /Mineralogy/ Gosgeolizdat, 1950), its lattice constants being: a = 9.065 ± 0.002 kilo XU and c = 4.444 kilo XU. The last mineral identified from the same meteorite was 4) Radbite, which belongs to the same isomorphic mineral series as Schreibersite. Its Ni and P contents are smaller than those of Schreibersite, being 29.8 % and 15.2 % (weights given in percentage) respectively. The lattice constants of Radbite were determined as: a = 9.022 ± 0.004 kilo XU and c = 4.424 kilo XU. 5) Carbonaceous Chondrites were studied from samples of the meteorites were studied from samples of the meteorites will be mineral was found in all three meteorites and has the same lattice dimensions as the mineral found in the meteorite Migei, described in the work of V.I. Mikheyev and A.I. Kalinin. (Ref. 10: Primeneniye rentgenometricheskogo metoda k issledovaniyu veshchestvennogo sostava meteoritov / Use of the Roentgenometric

Card 9/12

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The roentgenometric study of ...

Method for Investigating the Material Composition of Meteorites/
Meteoritka, no. 15, 1957), It was impossible to determine its
chemical composition, but in the opinion of Mikheyev (Ref. 10:
op.cit.) this mineral is nearest to serpentine of the antigorite
type and contains a fair amount of bivalent iron (Abstractor's
type and contains a fair amount of bivalent iron (Abstractor's
Note: Lattice constants not given). The carbonaceous matter in
these meteorites is apparently amorphous. In the last part of
the article the author discusses the presence of hydrosilicates
in meteorites. He quotes Mikheyev's opinion that these silicates
are formed from olivine, not by action of water, but by the action of carbon oxide and methane, and suggests the following
reaction:

reaction: $3 \text{ Mg}_2 \text{SiO}_4 + \text{Fe"}_2 \text{SiO}_4$ + 2CO + 2CH₄ = Mg₆(Si₄O₁₀)/OH₆ + Olivine Coalgas Methane Serpentine

 $^{+}$ 4C $^{+}$ 2Fe. If the ratio of components were different certain minerals could

Card 10/12

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be formed instead of metallic iron such as magnetite. It follows from this reaction schemati, that the ratio of water: carbon in carbonaceous meteorites should be definite: There, in fact, must be 4 molecules of H₂O for every 4 atoms of carbon; the ratio of corresponding weights being $4 \times 18 : 4 \times 12 = 72 : 48 = 1.5$. G. Boato found that the actual ratios of water and carbon in carbonaceous meteorites were in the range: 1.13 - 2.0, i.e. an average of 1.42 (Ref. 12: "The Isotopic Composition of Hydrogen and Carbon in the Carbonaceous Chondrites", Geochim. et Cosmochim. acta, 6, 209-220, 1954). These data give support to Mikheyev's opinion. The author suggests that the above described reaction should be performed on a laboratory scale -- this, says the author, should not present any technical problems -- and the reaction products be carefully examined. In conclusion the author emphasises the need to work out roentgenometric-crystallographic data tables for minerals. Such tables are of great importance for the study of meteorites in view of the minute quantities of ma-

Card 11/12

The roentgenometric study of ...

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terial with which the investigator very often has to deal. Laboratory technician A.I. Kalinin also participated in the work described above. There are 2 figures, 15 tables and 16 references: 11 Soviet-bloc and 5 non-Soviet-bloc. The references to the English-language publications read as follows: A. Bradley, A. Jay, A. Taylor. "On the Lattice Spacing of Iron-Nickel Alloys", Philosophical Magazine and Journal of Science, 23, no. 155, 547-557, 1937; E.R. Jette, F. Foote, "X-ray Study of Iron Nickel Alloys, Am. Inst. min. metallurg. Engin. Techn. Publ., no. 670, Metal. Technology 3, 1, 14, 1936; X. R.D.C. II Am. Soc. of Testing Materials. First supplementary Card File of X-ray diffraction Data, 1945.

Card 12/12

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653710002-6"

Relationship between the crystalline texture, temperature, and

heat of fusion of simple solids. Zap. Vses.min.ob-va 89 no.2: 143-151 '60. (MIRA 13:7)

A SOLIT TO THE PROPERTY OF THE

1. Neystvitel'nyy chlen Vsesoyuznogo mineralogicheskogo obshchestva. Kafedra kristallografii Leningradskogo gornogo, instituta.

(Metal crystals -- Thermal properties)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653710002-6"

SHAFRANOVSKIY, I.I.; STULOV, N.N.; MOKIYEVSKIY, V.A.

In memory of Viktor Ivanovich Mikheev, Zap. LGI 38:3-8 '61.

(MIRA 15:1)

(Mikheev, Viktor Ivanovich, 1912-1956)

(Bibliography--Mikheev, Viktor Ivanovich, 1912-1956)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653710002-6"

Review of the unpublished scientific works of V.I.Mikheev. Zap.
LGI 38 no.2:9-25 '61. (MIRA 15:1)
(Mikheev, Viktor Ivanovich, 1912-1956)
(Bibliography--Mikeev, Viktor Ivanovich, 1912-1956)

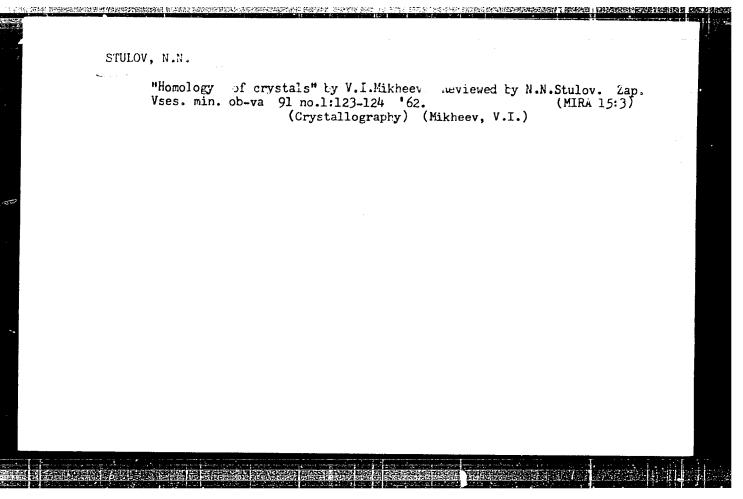
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ALYAVDIN, V.F.; VASIL'YEVA, L.F.; VITOSHINSKAYA, M.I.; GRIGOR'YEVA, L.N.; GODLEVSKIY, M.N.; ZHERBINA, K.M.; ZHEZEZKOVA, V.H.; KISELEVA, A.N.; KOZYREVA, Yu.A.; KULIKOV, K.V.; PAFFENGOL'TS, K.N.; POLEVOY, B.F.; SOI OV'YEV, S.P.; STULOV, H.M.; SHAFRANOVSKIY, I.I.

In memory of A.V.Nemilovoi. Zap.Vses.min.ob-va 90 no.6:756-757 (MIRA 15:2)
161. (Nemilova, Aleksandra Vasil'evna, 1892-1961)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653710002-6"



STULOV, N.N.; SHAFRANOVSKIY, I.I.

V.I. Vernadskii on the symmetry of nature. Zap. Vses. min. ob-va 92 no.5:579-586 '63. (MIRA 17:1)

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STULOV, N.N.

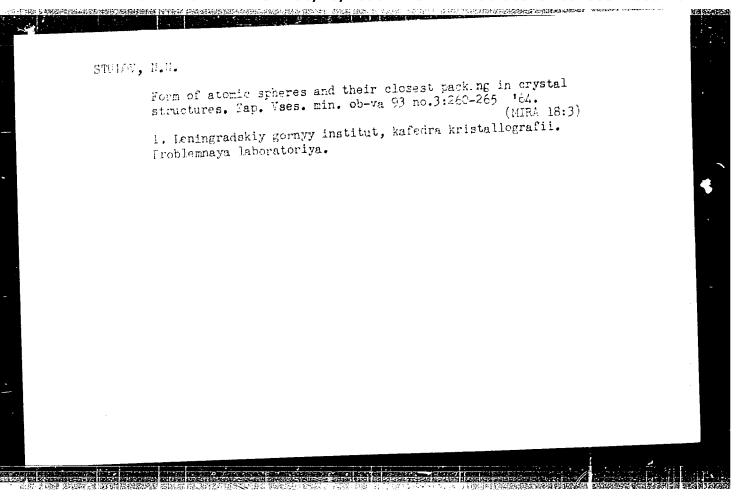
Correlation of the heat capacity and the heat of fusion in elements. Zap.Vses.min.ob-va 93 no. 2:121-125 '64. (MIRA 17:6)

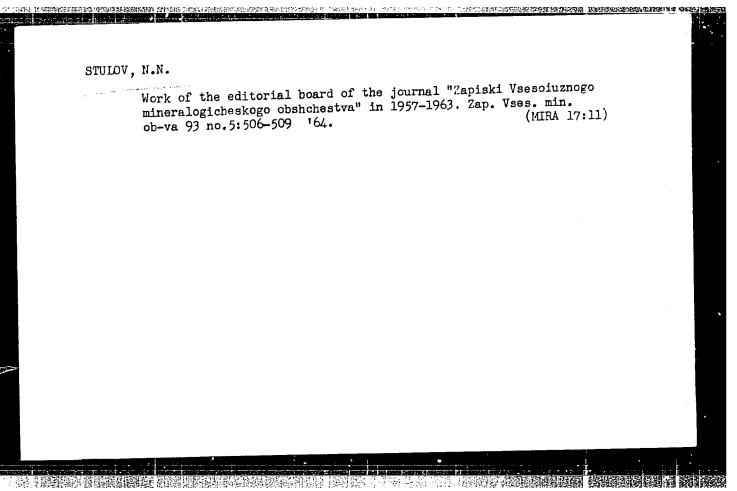
l. Kafedra kristallografii Leningradskogo gornogo instituta, problemnaya laboratoriya.

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TATAMINOV, P.M.; MAROZENKO, N.K.; SOLOVIYEV, S.P.; STULOV, N.N.;
RUHDEVIST, D.V.

Grigorii Sergeevich Labazi, 1898-1955; an obiturary.
Zap. Vses.min. ob-va 93 no. 2:245-246 '64. (MIRA 17:6)

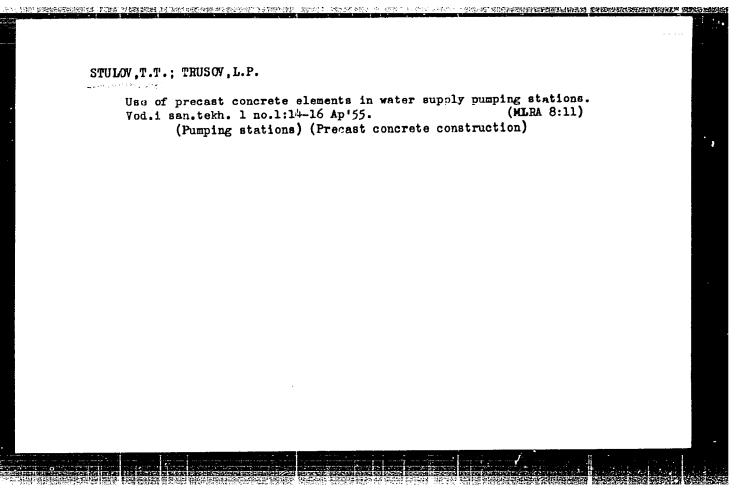




SHAFFANOVEKIY, I.1.: SOLWIYEV, S.P.; STULOV, N.N.

100th anniversary of the Department of Geology of the Franko Lvov
University. Zap.Vses.min.ch-va 93 no.6:735-736 '64.

(MIRA 18:4)



RALASHOV, A.I., STULOV, T.T. (Moskva)

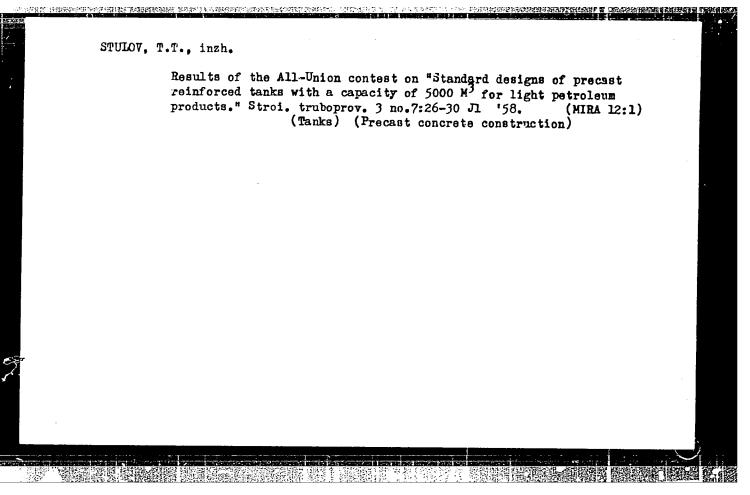
Water cleaning installation for oil field flooding. Stroi.pred.neft.
prom. 1 no.9:6-10 N '56. (MIRA 10:1)

1. Zamestitel' glavnogo inzhenera Giprospetsnefti (for Balashov).
2. Glavnyy konstruktor Giprospetsnefti (for Stulov)
(Oll field flooding) (Water--Furification)

STULOY, T.T., inzhener.

Underground reinferced concrete sterage tanks for petroleum products. Stroi. pred. neft. prom. 2 no.2:1-5 F 157. (MIRA 10:4) (Petroleum--Sterage) (Reinforced concrete construction)

CIA-RDP86-00513R001653710002-6" APPROVED FOR RELEASE: 08/26/2000



sov/95-59-6-5/12

14(10)

Stulov, T.T. and Trusov, L.P., Engineers

AUTHORS: TITLE:

New Designs of Underground Small Capacity Reinforced Concrete Reservoirs

for Oil Products

PERIODICAL:

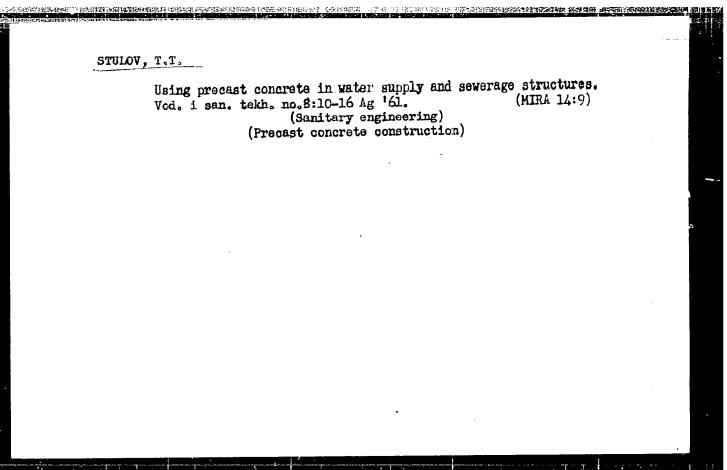
Stroitel'stvo truboprovodov, 1959, Nr 6, pp 15 - 17 (USSR)

ABSTRACT:

The Institute Giprospetspromstroy has worked out standard designs for typical reinforced concrete reservoirs of 100 and 200 cu m capacity. Reservoirs (arch Nr T-1164 and T-1165) for light oil products and lubricants consist of a metal lining and gunite wall. The article describes and illustrates this simple design and inexpensive construction. After the metal lining is put in place and welded to the base plate to form a reservoir, it is filled with water and covered on the outside with gunite; the necessary equipment is mounted on 4 manhole metal covers. The gunite wall thickness is 6 cm for the 100 cu m reservoir and 8 cm for the 200 cu m reservoir. - Designs for reservoirs (arch Nr T-1160 and T-1161) for dark oil products provide for prestressed concrete reinforcement. The novelty of this method consists in the tight winding under stress of the wire round the cone-shaped surface of the reservoir. The wire does not touch the reservoir itself but passes over

Card 1/2

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APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653710002-6"

STULOV, T.T.

Determining the bending moment in the supporting section of a wall of precast reinforced concrete cylindrical storage vessels.

Izv. vys. ucheb. zav.; neft' i gaz. 7 no.10:105-111 '64.

(MIRA 18:2)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti im. akad. I.M. Gubkina.

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653710002-6"

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romashi 34f.	on. Alt matika, telemeko	anika – zvirisliteli	nava tekhnika.	
AUTHOR: Stule	ov, V. A. 65			
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CITED SCURCE:	Tr Kojevsk. politekhn.	in-ta 7. 42, 1963	96- 3 6	:
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STULOV, V.A., inzh.

Static interference rejection of changeable transmission group codes. Izv. vys. ucheb. zav.; energ. 7 no.2:23-30 F '64. (MIRA 17:3)

1. Kiyevskiy ordena Lenina politekhnicheskiy institut. Predstavlena kafed**rey** avtomatiki i telemekhaniki.

29213

S/102/61/000/005/005/005 D274/D302

9.7500 (1024)

Skyrta, B.K., and Stulov, V.A. (Kyyiv)

TITLE:

AUTHORS:

Sequential magnetic decoder

PERIODICAL: Avtomatyka, no. 5, 1961, 73 - 76

TEXT: A decoder incorporating magnetic elements with a rectangular hysteresis-loop is described. It is destined for contactless frequency systems in remote control. The decoder operates on a two-code signal, having two frequencies which follow each other in time. The advantage of such a decoder over other ferrite-diode decoders consists in that it no longer requires a special switching element for signal reception. The decoder incorporates toroidal ferrite cores. A block diagram of the decoder is shown. Each core has 5 windings. Winding 1 serves for remagnetizing the core from state 0 to 1; winding 2 serves for counting, it changes the core from 1 to 0; counting takes place only when the core is remagnetized from 1 to 0, by means of diodes in the circuits of windings 4 and 5; windings 4 and 5 are output windings which connect the in-

29213 S/102/61/000/005/005/005 D274/D302

Sequential magnetic decoder

dividual triggers of the controlled object. The frequency pulse arrives at the filter inputs and after filtering and rectifying — at the input of the Schmitt trigger (limiter); thereupon, the pulse is amplified and applied to the magnetic decoder. The key tricdes KO and KC are controlled by a univibrator which operates on transmission of the first code (indicating the character of the operation). Thereupon, one of the keys (KC) is opened, and the other (KO) — closed. The first code arrives at the corresponding terminal of the decoder input. The following signal is applied to the second input-terminal (after passing through the key-amplifier) The cores of windings 2 (which are placed horizontally) are connected in series with the windings 1 of the cores which are remagnetized. Assume the pulse is applied to the fifth terminal; then the vertical series of cores (of winding 1) which correspond to that terminal, are remagnetized from 0 to 1; the horizontal series we does not change its state with the exception of core 4 which changes from 1 to 0; thereby, a pulse is applied from its windings 4 and 5 to the corresponding control trigger. After the informa-

Card 2/3

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S/102/61/000/005/005/005 D274/D302

Sequential magnetic decoder

tion, contained in the code, has been received, conversion takes place by means of the conversion winding 3 with which every core is equipped. After the conversion, the decoder re-assumes its initial position, i.e .state 0 in every core. There are 3 figures.

SUBMITTED: March20, 1961

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Card 3/3

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653710002-6"

KATKOV, F.A., kand.tekhn.nauk; STULOV V.A., inzh.

Alternate-message frequency code and its realization.

Izv. vys. ucheb. zav.; energ. 5 no.10:22-32 0 '62.

(MIRA 15:11)

1. Kiyevskiy ordena Lenina politekhnicheskiy institut.

Predstavlena kafedroy avtomatiki i telemekhaniki.

(Remote control)

(Telecommunication)

SMIDOVICH, V.A., inzh.; ZHAK, V.Z., inzh.; SKIRTA, B.K., inzh.; STULOV, V.A., inzh.

Experience in operating a frequency remote control system and a signaling system. Elek.sta. 33 no.2: 72-75 F '62. (MIRA 15:3) (Telemetering) (Remote control)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653710002-6"

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KATKOV, Fedor Aleksandrovich, kand. tekhn. nauk. Prinimali uchastiye: STULOV, V.A., inzh.; POPOV, A.B., inzh.; DIDYK, B.S., inzh.; SHESTOPALOV, V.N., kand. tekhn. nauk, retsenzent; PISARENKO, M.G., inzh., red.izd-va; STAHODUB, T.A., tekhn. red.

[Teoretical principles of remote control] Teleupravlenie; osnovy teorii. Kiev, Gostekhizdat USSR, 1963. 231 p. (MIRA 16:11)

(Remote control)

STULOV,	V.A. (Kiye	v)		
	Conserning	some definitions and cl 8 no.1:63-66 .33. (Information theory)	(MIRA 16:3)	

L 1051-66 EWT(d)

ACCESSION NR: AR5006541

S/0274/64/000/012/A015/A015

621.391.15

SOURCE: Ref. zh. Radiotekhnika i elektrosvyaz'. Sv. t., Abs. 12A75

AUTHOR: Stulov, V. A.

TITLE: Code-combination structure

CITED SOURCE: Tr. Kiyevsk. politekh. in-ta, v. 42, 1963, 78-85

TOPIC TAGS: code, code combination, code structure

TRANSLATION: Definitions are offered for several concepts characterizing the structure of the code combinations that constitute a code. Each combination comprises one- or multi-element sendings whose number and sequence are determined by the code algorithm (the elements are transmitted simultaneously). The code element is a distinct elementary portion of the sending; the element is active if it carries usable information (which was in the message before its transmission); the element is passive if it carries ancillary information (which is added to the usable information for service purposes). The sendings are active if all

Card 1/2

L 1051-66

ACCESSION NR: AR5006541

their elements are active; mixed, if only a portion of the elements is active; passive, if all their elements are passive. In a code combination, the sendings form rows sequentially and according to one system of time components. The number of used systems determines the number of rows. The total duration of sequential sendings in a row determines its order. The first-order row has a maximum duration and a higher (for equal duration) number of sendings. In the general case, the code combination may be represented, in Cartesian coordinates, by a three-dimensional quantity because it is characterized by its position in time, the number of sendings, and the number of elements in a sending; the corresponding averaged numerical characteristics can be easily computed from the code algorithm and the number of combinations in the code. Sometimes the code combination can be adequately presented in a two-dimensional or single-dimensional space. In this sense, many codes in use are single-dimensional. Bibliography: 5 titles.

SUB CODE: DP

ENCL: 00

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L 40315-65 EWT(d) Pac-4/Pae-2/Pj-4 ACCESSION NR: AR4CA15C2	5/0271/64/001/006/ A054/A054	
SOURDE: Ref. zh. Avtomatika, telemeknanika Svodnyy tom, Aus. 64,506	i vychislitel naza tekhnika.	/*1 &=
AUTHOR: Katkov, F. A.; Stulov, V. A.		
TITLE: Or up of alternating-packet codes for	cr telemechanical systems	
CITEL SOURCE: Sb. Tekhn. kibernetika. Kiyes	v, Gostekhizdat USBR, 1963, 124-	-128
TOPIC TAGS: telemechanical code, supervisit	ry centrol code	
TRANSMITTON: The efficiency of using alterning information in telemechanical systems of the efficiency of using alterning information in telemechanical systems of the efficiency of using alternating equality of the efficiency and are continued to the efficiency of using alterning the efficiency of u	ession, without dividing time in the control of the	ntervals.
while in the second case M-Ca where m	and k are the number of freque	ncies in
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the packet and code, respectively; n is the number of packets in the code combination (CC). In the incomplete APC where the adjacent packets have no idential frequencies, the number of CC is permutations and combinations will be: V = 0.00	つ ^{**}
combination (CC). In the incomplete APC where the adjacent packets have no idential frequencies, the number of CC is permutations and combinations will be:	
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from this formula, M = M. M. M. where M.M. is the number of combina-	
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tions in the first, second, and inth groups. Hodifications of APC with group selection are analyzed, and formulas for estimating the number of CC are given.	
Thus, for example, the number of CC in an APC with group selection, when any	
group is composed only of those possible packets which are not used in other	
groups, is equal g_k^m $M = \frac{\pi}{2}$, under the condition that G_k^m is exactly divisible by i	
The number of CC, when the groups can be selected by the frequencies sent simultaneously, is equal to $\mathbf{K} = \begin{pmatrix} \mathbf{k} \\ \mathbf{I} \end{pmatrix}^T$, under the condition that k can be exactly	1.

AFETR/ESD(dp) Pac-4/Pae-2/Pj-4 Dar(d)/SED-2/FS(b) s/0271/64/000/006/A053/A054 20017-65

ACCESSION WR: AR4044901

SCURCE: Ref. zn. Avtomatika, telemokhanika i vy*chislitel'naya tekhnika. Svodny*y tom, Abs. 6A 305

AUTHOR: Stulov, V. A.

TITLT: Some alternating quality codes used in telemechanical systems of

CITED SOURCE: Sb. Tekhn. kibernetika. Kiyev, Gostekhizda USSR, 1963, 128-133

TOPIC TAGS: telemechanics, code

TRANSLATION: Alternating quality codes (AQC) can be used in telemechanical systems as error-detection codes, the frequency being used as quality. A simple ACC can detect, in a code combination, the presence of an adjacent frequency instead of the correct frequency. An arrangement-type AQC permits detecting the wrong frequency from the same code combination. A permutative AQC permits detecting, in a code combination, any wrong frequency which corresponds to a jouble detection. Relative afficiencies of the alove ordes are estimated, the efficiency being a ratio of the number of code combinations in a given code to their number in a base gode

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L 3278-66 EWT(d)/FSS-2

ACCESSION NR: AR5014345

UR/0271/65/000/005/A016/A016

621.398.001:621.391.13

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika.

Svodnyy tom, Abs. 5A111

AUTHOR: Stuloy, V. A.

TITLE: Principles of selection

CITED SOURCE: Sb. Ustroystva i elementy prom. telemekhan. Kiyev, 1964, 5-11

TOPIC TAGS: signal transmission 4 44

TRANSLATION: It is suggested that all principles of selection (PS) be reduced to these four categories: quality, division, distribution, and combination. With the quality principle, the signal division depends on various values of the parameters of the information carrier. The signal consists of a single-element packet and lifters from other signals qualitatively or quantitatively. Simultaneous transmission of several values of the same signal indicant is excluded. The signal indicant means a qualitative indicant of the information carrier and also presence

Card 1/2

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<u>L 6434-66</u> EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(1)

ACC NR: AR5014352

SOURCE CODE: UR/0271/65/000/005/A043/A043

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika.

Svodnyy tom, Abs. 5A303

AUTHOR: Skirta, B. K.; Stulov, V. A.

TITLE: Frequency selectors used in remote-control systems

CITED SOURCE: Sb. Ustroystva i elementy prom. telemekhan. Kiyev, 1964, 63-68

TOPIC TAGS: frequency selector, telemetering, remote control system

TRANSLATION: Selectors are described which consist of parallel or series resonance circuits, electromechanical 1- and 2-reed vibrators, synchronous filter generators, and IC differential filters whose operation depends on parametric resonance. One-and 2-reed vibrators have passbands of 1 and 3%. A reed vibrator combined with a transistor is used as a generator. The synchronous filter generators and differential filters are the most economical devices among all selectors used in remote-control systems. The first operates on the principle of synchronous reception. They include a semiconductor IC-oscillator, a comparison circuit, and a Schmidt trigger. The on-off operating transistor acts as a controlled conductance. The

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L 3334-66 EWT(1)/EWA(h)

ACCESSION NR: AR5014344

UR/0271/65/000/005/A015/A016

621.398.3:621.391.15

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel naya tekhnika.

Svodnyy tom, Abs. 5A109

AUTHOR: Stulov, V. A.

TITLE: Noise-duration and noise-amplitude analyzer

CITED SOURCE: Sb. Ustroystva i elementy prom. telemekhan. Kiyev, 1964,

114-116

TOPIC TAGS: noise analyzer, noise analysis

TRANSLATION: The noise immunity of a code can hardly be evaluated without knowing the duration and amplitude distribution of noise. A noise analyzer consisting of threshold devices, exponential selectors (ES), coincidence circuits, inverters, and counters is proposed for determining noise having various amplitudes and durations. For simplicity's sake, an analyzer with two amplitude levels and three duration levels is described. The noise signals pass the

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c	onnected to t	the ES ou	utputs. Cnly	those pul evice) exce	ses pass eeds the o	ES who ielay tir	se duran me set fo	on (at the r the	7
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L 31,875-66 ACC NR. AR6014184	SOURCE CODE: UR/0271/65/000/011/A022/A022
AUTHOR: Stulov, V. A.	36
TITLE: Formation of channel compo	onents with alternating-packet codes
SOURCE: Ref. zh. Avtomatika, tele	emekhanika i vychislitelanaya tekhnika, Abs. 11A15!
REF SOURCE: Vestr. Kiyevsk. politi i radioelektron.,no. 1, 1964, 42-	tekhn. in-ta. Ser. avtomatiki, elektropriborostr.
TOPIC TAGS: telemetry, telemetry	system
usually, by alternating the frequency various values of the same of the sequential components of a clementary sinusoidal signals dispersionally components of a change	in the alternating-packet codes are time formed, nearly packets or by changing the code elements that or different parameter of the elementary signal. hannel can be formed, too, by changing the ffering in their amplitudes or phases. The el can be time formed by changing the values of one s. Five figures. Bibliography of 1 title.
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ACC NR: AT6022308

SOURCE CODE: UR/0000/66/000/000/0053/0056

AUTHOR: Stulov, V. A.

ORG: none

TITLE: Combinatorial properties of codes in remote control

SOURCE: Vsesoyuznaya nauchnaya sessiya, posvyashchennaya Dnyu radio. 22d, 1966.

Sektsiya telemekhaniki. Doklady. Moscow, 1966, 53-56

TOPIC TAGS: coding, coding evaluation, combinatorial analysis, signal coding,

remote control

ABSTRACT: In the limiting case a code combination may consist of a single unit. The minimum number of code elements in the latter is one. If the code consists of such combinations only, then its capacity is equal to the number of different code elements. Each code element possesses d attributes which may assume g values. In the case considered, code combinations are obtained by combining the values of attributes. Consequently, in the limiting case, the values of attributes and not the code elements are taken into a code combination. The number of values of the attributes serves as the code base, because various code combinations are obtained when they are combined. A code combination may consist of a single multi-clement unit. In this case several code elements are transmitted simultaneously. Alphabets for all parallel components can be both identical and different. In the case considered, the code has a common alphabet

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only when the alphabets of all its parallel components possess identical elemer erally, a code combination consists of several units. Then various code combinare obtained by combining units in them. In codes which are at present most with known, basically those code combinations consisting of single-element units or unit are used. In such a code the number of code elements serves as the base.	nations Idely a single
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SUB CODE: 09/ SUBM DATE: 24Mar66/ ORIG REF: 002	
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3/179/61/000/003/001/016 E031/E435

AUTHOR:

Stuler, V.P. (Moscow)

CLEANING THE STREET HAS A STREET AND CONTRACTOR

TITLE :

The boundary layer on a flat plate taking account of

sanalance due to rate of dissociation

PERIODICAL. Akademiya nauk SSSR. Izvestiya. Otdeleniye tekhnicheskikh nauk. Mekhanika i mashinostroyeniye, 1961, No.3, pp.5-12

The equations for a laminar boundary layer on a flat plate TEXT: in the case of a reacting binary mixture are successively imensformed by the Introduction of Dorodnitz and Blasius variables and then min-dimensional variables. constant of recombination is assumed constant. The velocity boundary conditions are considered, the first corresponding to the Two types of walls being hemically and thermally isolated and the second to the tase where the tersiyald wall has a given constant temperature and the concentration of atoms on the wall is also constant. problems lead to a complicated system of non linear partial differential equations which can be simplified by assuming that everywhere in the flow the characteristic time of the chemical reaction is amous by impartson with the characteristic time of the flow and chan the temperature gradients are not greater than of

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The boundary layer on a flat ...

order unity. Approximate solutions can then be derived by considering amount policy continues. Considering the first problem, it is found that the relatity profile is given by the well-known Blaston is determined by the enthalpy profile (in the zero order approximation). first order approximation the imbalance has no effect on the enthalpy distribution curve for the deviation of the linear to long from its equilibrium value is a hyperbola for ionimant the temperature of the wall at the nose corresponds to the temperature of the gas partitles of the incident flow slowed Wathers hares it on enception. The temperature falls downstream of the name of a value obtresponding to that of the slowed pasticles with applilibrium concentration. The temperature of a gas particles as greater whan the value corresponding to equilibrium dissociation a smaller part of the translation energy of the molecule is conversed in the head al resetion. The second problem is dealt with very beliefly. In the first approximation the perturbation in the concents with her no effect on the heat flow. There are Ca: 1 2/3

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26.5000

AUTHOR: Stulov, V.P. (Moscow)

TITLE:

Heat transfer in the laminar boundary layer on a plate with allowance for the absence of chemical equilibrium

PERIODICAL: Akademiya nauk SSSR. Izvestiya Otdeleniye tekhnicheskikh nauk. Mekhanika i mashinostroyeniye, no.6, 1901, 11-14

TEXT: This paper is a continuation of previous work reported by the author in Ref.1 (Izv.AN SSSR OTN Mekhanika i mashinostroyeniye, 1961, No.3). The heat transfer to the wall in the boundary layer of a reacting atomic-molecular mixture depends on the change in the viscosity-density product, the Prandtl number and the Lewis number across the boundary layer. The author derives approximate formulae which may be used to calculate the effect of changes in the physical parameters on the heat flow, on the assumption that the changes are small in the boundary layer. The calculation takes into account binary diffusion and is applied to the special case of oxygen and nitrogen. It is shown that the calculations are in good agreement with experimental results over

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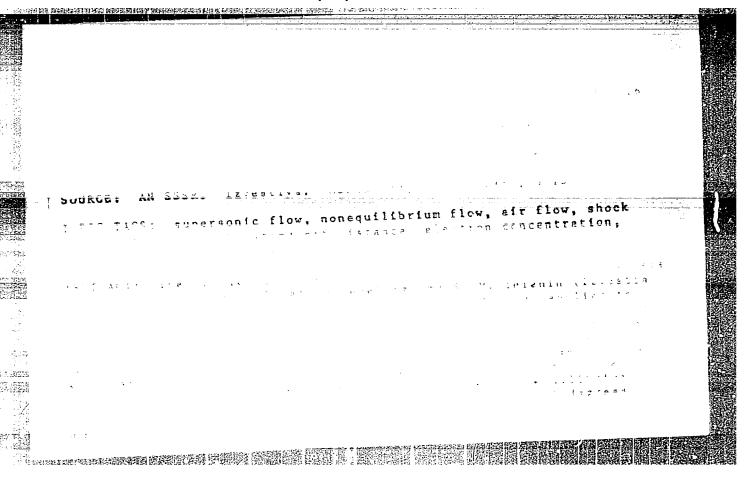
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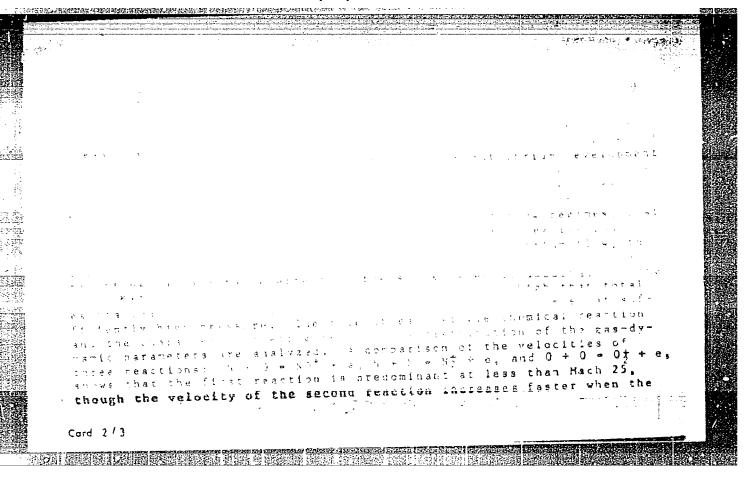
Stulov, V.P. (Moscow) The flow round a convex angle of an ideal dissociationg AUTHOR:

gas taking account of disequilibrium TITLE:

Akademiya nauk SSSR. Izvestiya. Otdeleniye tekhnicheskikh nauk. Mekhanika i mashinostroyeniye, PERIODICAL:

The flow round an angle nearly equal to 180° of an ideal dissociating gas was studied by Clarke (J. Fluid Mech., 1960, v.7, p. 4). In this paper an approximate solution is given for the problem for an arbitrary angle and the change in the discontinuity of the normal derivatives of the gas-dynamic variables along the characteristic separating the uniform incident flow from the expansion fan is studied. Disequilibrium occurs because of the finite velocity with which energy is transmitted by the inert degrees of freedom of atoms and molecules. The characteristic time of flow can become equal to the characteristic time to establish equilibrium. The system of equations of motion of an inviscid gas must be supplemented by the equations describing the Card 1/2





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Geese - Gor'kiy Province

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STULOVA, Anna Fedoroyna; SHUTOV, Nikolay Ivanovich

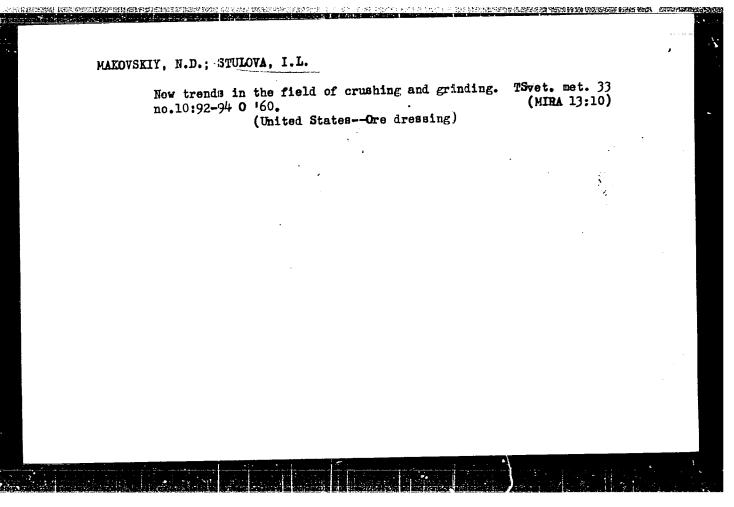
[Leading poultry farmers] Peredovye ptitsevody. [Gor'kii]
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DAN'KOVA, M.N.; OPOLCHENTSEVA, T.D.; SHIBAYEV, D.P.; ZHABYKO, Ye.G.;

MINKINA, A.G.; OVSYANKINA, Ye.I.; SAVENKOV, F.S., red.; SLEMZIN,

A.A., red.; FOMICHEV, P.M., tekhn.red.

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(Kaluga Province--Economic conditions--Statistics)

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STULOVA, M.V., inzh., otv. ža vypusk; VOROTNIKOVA, L.F., tekhn. red.

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[Factory regulations for repairing multiple-units of d.c. trains; change in the regulations of 1955 for the general overhaul and minor repair of multiple-unit cars] Pravila zavodskogo remonta sektsii elektropoezdov postoiannogo toka; vzamen Pravil kapital'nogo i srednego remontov elektrostantsii izd. 1955 g. Moskva, Transzheldorizdat, 1963. 390 p. (MIRA 16:5)

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GURKO, Z.V.; STULOVA, O.V.; BARYKINA, O.A., otv.red.; LUCHKINA, A.N., red. izd-va; ASTAF'YEVA, G.A., tekhn.red.

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Efficient laboratory method for determining the tendency of rubber mixtures for prevulcanization. Trudy Nauch.-issl. inst. (MIRA 14:8) shin. prom. no.7:154-167 '60. (MIRA 14:8) (Vulcanization) (Rubber, Synthetic-Testing)

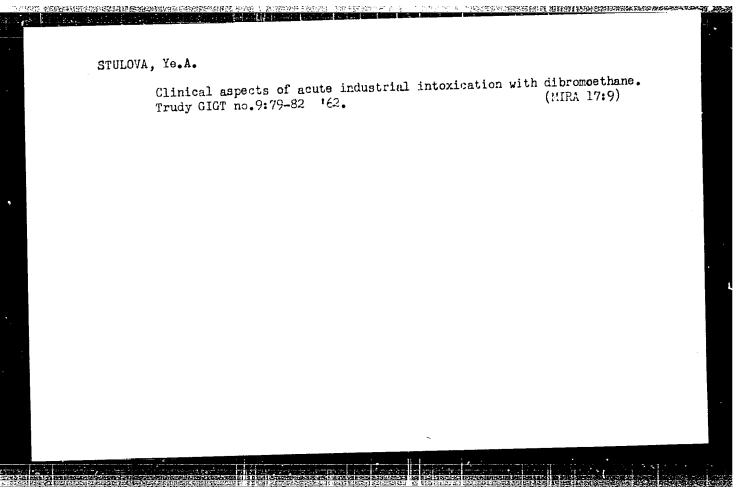
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LUKOMSKAYA, A.I.; ORLOVSKIY, P.N.; MEREZHANNYY, S.B.; STUKALOVA, A.F.; Prinimali uchastiye: SAMOKHODKINA, K.G.; KALINOVA, L.T.; GORINA, A.K.; STULOVA, V.T.

Effect of the surface-to-volume ratio of a test piece in the evaluation of the processing qualities of rubber blends. Kauch. i rez. 20 no. 4:36-42 Ap '61. (MIRA 14:5)

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(Rubber, Testing)



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A new procedure for the treament of total rectal prolapse.

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(RECTUM, surgery)

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	ACCESSION NR: AP5008155 AUTHOR: Paton, B. Ye.; Dudko, D. A.; Medovar, B. I.; Latash, Yu. V.; Maksimorich, AUTHOR: Paton, B. Ye.; Dudko, D. A.; Medovar, B. I.; Catash, Yu. V.; Maksimorich, B. I.; Shevchenko, A. I.; Stunck, L. M.; Goncharenko, V. P.; Grigor'yev, L. F.; B. I.; Shevchenko, A. I.; Lubenets, I. A.; Yartsey, M. A.; Keys, H. V.; B. I.; Chudin, H. I.; Lubenets, I. A.; Piyalov, H. T.; Pis'mennov, V. S.; Kholodov, A. Piyalov, H. T.; Pis'mennov, V. S.; Kholodov, A. Piyalov, H. T.; Pis'mennov, V. S.; Kholodov,	
	AUTHOR: Paton, B. Ye.; Dudko, D. A.; Medovar, Grigor Yev, D.; Grigor Yev, D.; B. I.; Shevchenko, A. I.; Stupak, L. M.; Goncharenko, V. P.; Grigor Yev, D.; B. I.; Shevchenko, A. I.; Lubenets, I. A.; Yartsev, M. A.; Keys, M. V.; Petuchov, G. K.; Chudin, H. I.; Lubenets, I. A.; Pis mennov, V. S.; Kholodov, Tulin, N. A.; Kapel nitskiy, V. G.; Privalov, H. T.; Pis mennov, V. S.; Kholodov, Tulin, N. A.; Kapel nitskiy, V. G.; Privalov, H. T.; Donets, I. D.; Silayev, A. Ya.	
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	Tulin. N. A.; Rustantov, N. J., Enstrakov, No. 168743 TITLE: Method of electroslag casting of ingots. Class 18, No. 168743	
	TITLE: Method of electroslag casting: or tovarnykh znakov, no. 5, 1965, 34 SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 5, 1965, 34	
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	ABSTRACT: This Author Cetative atmosphere of ingots in an open or protective atmosphere or consumable electrode arc or plants ingots in an open or protective atmosphere and to raise the yield, the melted in a mold with a nonconsumable or consumable and to raise the yield, the melted in a mold with a nonconsumable or surface and to raise the yield, the melted in a mold through a hollow conmolite metal or, if needed, the slag is poured into the mold through a nollow consumable or nonconsumable electrode (see Fig. 1 of the Enclosure). [ND]	
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